

REMARKS

Applicants respectfully request consideration of the subject application as amended herein. This Amendment is submitted in response to the Office Action mailed November 8, 2004. Claims 1, 4, 6, 8, 16, 36, 45, 54, 59, 60, 66 and 67 are rejected. In this Amendment, Claims 2-3, 4, 5, 6, 8, 9-19, 23, 27, 36, 49, 52, 54-55, 59-60, 62, 64 and 66-68 have been amended. Claim 1 has been canceled. Claim 69 has been added.

Drawings

The Examiner has objected to the drawings. Formal drawings have been prepared and submitted and errors corrected. Applicant submits that no new matter is added.

Specification

Applicant has corrected the informalities as the Examiner has advised.

The Examiner has objected to the specification with respect to claims 6, 14, 34, 46, 47, 62, 64, and 66 for there appears to be no mention in the specification for the various “conductive element” as recited in the claims and for the planarization layer being a “polymer”, or for various processes for forming the conductive traces/elements as recited in the claims. The Examiner has also pointed out that the claims filed with the application form part of the original disclosure such that adding the subject matter in the claims to the specification would NOT raise the issue of new matter.

Applicant has so added to the specification the subject matter with respect to the conductive element as recited in the claims, the processes for forming the conductive traces/elements, and the planarization layer that can be a polymer into the specification to correct the informalities. Applicant submits that no new matter is added by this amendment.

U.S.C. §112, second paragraph

The Examiner has rejected claims 8, 16, 36, 45, 54, 59-60 and 66-67 under 35 U.S.C. §112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

With respect to claims 8, 16, 36, and 45, the Examiner has stated that it is unclear if “on opposite corners” and “in diagonal corners” of the integrated circuit means the same thing or different thing.

Applicant respectfully submits that as disclosed in the specification, two conductive elements are connected to the integrated circuit on opposite corners or in diagonal corners of the integrated circuit means different things to each other. As illustrated in **Figure 4**, there are at least four possible connections to the integrated circuit as there are at least four possible bonding pads 27. For instance, when the two conductive elements are connected to the integrated circuit 26, the conductive element 22 may connect to the integrated circuit 26 from the left hand side of the integrated circuit 26 either with the top or with the bottom bonding pads 27 while the conductive element 24 may connect to the integrated circuit 26 from the right hand side of the integrated circuit 26 either with the corresponding top or with the bottom bonding pads 27. Thus, to be of opposite corners, when the conductive element 22 connects to the integrated circuit 26 from the left hand side at the top corner, then conductive element 24 would connect to the integrated circuit 26 from the right hand side at the top corner. Similarly, to be of opposite corners, when the conductive element 22 connects to the integrated circuit 26 from the left hand side at the bottom corner, then conductive element 24 would connect to the integrated circuit 26 from the right hand side at the bottom corner. To be of diagonal corners, when the conductive element 22 connects to the integrated circuit 26 from the left hand side at the top corner, then conductive element 24 would connect to the integrated circuit 26 from the right hand side at the bottom corner. And, to be of diagonal corners, when the conductive element 22 connects to the integrated circuit 26 from the left hand

side at the bottom corner, then conductive element 24 would connect to the integrated circuit 26 from the right hand side at the top corner. Therefore, the terms “opposite corners” and “diagonal corners” indicate two different things.

With respect to claim 54, the claim has been amended to delete the term “electrical loops.

With respect to claims 59-60, the claims have been amended to say the conductive elements are resistively coupled to each block or the conductive elements are capacitively coupled to each block.

With respect to claims 66-67, the “conductive element” has been amended to say “conductive elements” to correctly refer to the previously mentioned “conductive elements.”

35 U.S.C. §102(b)

Claims 1 and 4 are rejected under 35 U.S.C. §102(b) as being anticipated by either Marsh, et al., (U.S. Patent No. 5,566,441, hereinafter “Marsh”) or Moskowitz, et al., (U.S. Patent No. 5,528,222, hereinafter “Moskowitz”).

Claim 1 has been canceled and claim 4 has been made depended form the newly added claim 69. As such, Applicant is not expressing an opinion on these claims with respect to this rejection at this point.

Claim 6 is rejected under 35 U.S.C. §102(b) as being anticipated by either Marsh.

Claim 6 has been made depended form the newly added claim 69. As such, Applicant is not expressing an opinion on this claim with respect to this rejection at this point.

Claim 8 is rejected under 35 U.S.C. §102(b) as being anticipated by either Moskowitz.

Claim 8 has been made depended form the newly added claim 69. As such, Applicant is not expressing an opinion on this claim with respect to this rejection at this point.

With respect to the newly added claim 69, Applicant respectfully submitted that both Marsh and Moskowitz did not teach that the integrated circuit is embedded within the flexible substrate such that the integrated circuit is recessed below a surface of the substrate as recited in claim 69.

ALLOWABLE SUBJECT MATTER

Applicant thanks the Examiner for indicating that claims 2-3, 5, 7 and 9-68 are allowed, or would be allowable if rewritten to include all the limitations of the base claims and any intervening claims, and/or rewritten to overcome the rejections under 35 U.S.C. §112, second paragraph and/or objections under 35 U.S.C. §1.75(a), set forth in this Office Action.

Claims 2-3, 5, and 7 have been amended into their independent forms to incorporate all the elements recited in claim 1 from which claims 2-3, 5, and 7 depend.

Claims 9-68 have been amended to correct the informalities as can be seen above.

In view of these amendments, Applicant respectfully submits that claims 2-3, 5, 7 and 9-68 are now in condition for allowance, and request allowance of said claims.

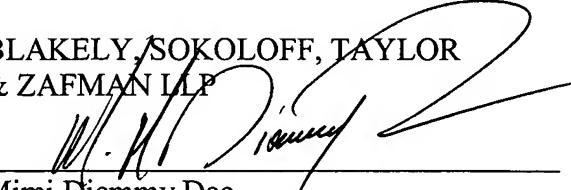
If the Examiner determines the prompt allowance of these claims could be facilitated by a telephone conference, the Examiner is invited to contact Mimi Dao at (408) 720-8300.

DEPOSIT ACCOUNT AUTHORIZATION

Authorization is hereby given to charge our Deposit Account No. 02-2666 for any charges that may be due. Furthermore, if an extension is required, then Applicant hereby requests such extension.

Respectfully submitted,

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